

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	7	"439"/\$.ccls. and ultrasonic adj weld\$4 and crimp \$3 and splic\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/09 15:19
S2	26	"439"/\$.ccls. and weld\$4 and crimp\$3 and splic \$3 and (separable or removable or semi adj permanent or detachable)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 10:27
S3	58	"439"/\$.ccls. and weld\$4 and crimp\$3 and splic \$3 not S1 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/09 15:47
S4	38	"439"/\$.ccls. and ultrasonic adj weld\$4 and crimp \$3 and cable and housing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:15
S5	14	"439"/\$.ccls. and ultrasonic adj weld\$4 and crimp \$3 and cable not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable and housing )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/02/28 16:45
S6	42	"439"/\$.ccls. and ultrasonic adj weld\$4 and crimp \$3 not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable and housing ) not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable and housing ) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/09 15:13
S7	306	"439"/\$.ccls. and weld\$4 and crimp\$3 and cable and housing not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable and housing ) not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable and housing ) ) not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable and housing ) not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable and housing ) ) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/02/28 16:49

S8	25	"439"/\$.ccls. and splice and weld\$4 and crimp\$3 and cable and housing not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable and housing ) not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable and housing ) ) not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable and housing ) not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable not ("439"/\$.ccls. and ultrasonic adj weld\$4 and crimp\$3 and cable and housing ) ) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/02/28 16:49
S9	2	("6,254,421").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/03 17:03
S10	3	("4,214,805").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/03 17:03
S11	2	("5,860,829").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/03 17:04
S12	2	("5,989,057").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/03 17:04
S13	4	("3,708,779").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/03 17:05
S14	2	((("5,961,341") or ("U5-4,047,784") or ("U5-6,027,362"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/03 17:05
S15	2	("4,047,784").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/03 17:05
S16	2	("6,027,362").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/03 17:07

S17	2	("4717360").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/03 17:07
S18	1	"439"/\$.ccls. and (T-weld\$4 or (T adj2 weld\$4)) and crimp\$3 and cable and housing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:16
S19	6	"439"/\$.ccls. and (T-weld\$4 or (T adj2 weld\$4)) not S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:18
S20	0	"439"/\$.ccls. and (T-weld\$4 or (T adj weld\$4)) not S18 not S19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:20
S21	15	"29"/\$.ccls. and (T-weld\$4 or (T adj weld\$4)) not S18 not S19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 11:37
S22	41	(T-weld\$4) not S18 not S19 not S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 19:07
S23	0	(T-weld\$4 or tee-weld) and (break\$4 or separa \$6) not "1" not "2" not "4"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 19:08
S24	1	"439"/\$.ccls. and (T-weld\$4 or (T adj2 weld\$4)) and crimp\$3 and cable and housing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 19:08
S25	6	"439"/\$.ccls. and (T-weld\$4 or (T adj2 weld\$4)) not S24	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 19:08
S26	15	"29"/\$.ccls. and (T-weld\$4 or (T adj weld\$4)) not S24 not S25	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 19:08
S27	41	(T-weld\$4) not S24 not S25 not S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 19:08
S28	22	(T-weld\$4 or tee-weld) and (break\$4 or separa \$6) and S27	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 19:08

S29	12	(T-weld\$4 or (T adj weld\$4) or (ultrasonic adj weld\$4)) adj3 (separable or removable or (semi adj permanent) or detachable)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 10:29
S30	62	"439"/\$.ccls. and (T-weld\$4 or (T adj2 weld\$4) or ultrasonic adj weld\$3) same (remov\$4 or break\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 11:31
S31	7	"439"/\$.ccls. and (T-weld\$4 or (T adj2 weld\$4) or ultrasonic adj weld\$3) near10 (remov\$4 or break\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 15:39
S32	11	(T-weld\$4 or (T adj2 weld\$4)) near15 (remov\$4 or break\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 11:53
S33	0	(T-weld\$4) near10 (separa\$4 or break\$4) and (connector or contact or cable or terminal or pin)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 11:39
S34	1	(T-weld\$4) near15 (separa\$4 or break\$4) and (connector or contact or cable or terminal or pin)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 11:57
S35	50	(US-4429455-\$ or US-5674096-\$ or US-5733154-\$ or US-5984733-\$ or US-5997366-\$ or US-6240629-\$ or US-5586905-\$ or US-5305408-\$ or US-4961709-\$ or US-5214247-\$ or US-6230395-\$ or US-5013124-\$ or US-4533206-\$ or US-4828351-\$ or US-5246382-\$ or US-5614120-\$ or US-5685743-\$ or US-5741147-\$ or US-5806382-\$ or US-5823580-\$ or US-5885104-\$ or US-5911585-\$ or US-6080001-\$ or US-6142679-\$ or US-4242790-\$ or US-4245387-\$).did. or (US-4249304-\$ or US-4252396-\$ or US-4261194-\$ or US-4272879-\$ or US-4277124-\$ or US-4326518-\$ or US-4342216-\$ or US-4371229-\$ or US-4384753-\$ or US-4405827-\$ or US-4429949-\$ or US-4460235-\$ or US-4469356-\$ or US-4542583-\$ or US-4559702-\$ or US-4562518-\$ or US-4563055-\$ or US-4566752-\$ or US-4576426-\$ or US-4583290-\$ or US-4611878-\$ or US-4613199-\$ or US-4765059-\$ or US-4767345-\$).did.	USPAT	OR	OFF	2006/02/23 11:44
S36	5	S35 and weld\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 11:47
S37	7	(T-weld\$4 or (T adj2 weld\$4)) near15 (connector)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 11:56

S38	833	(ultrasonic adj2 weld\$4) near15 (separa\$4 or break\$4) and (connector or contact or cable or terminal or pin)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 11:58
S39	332	(ultrasonic adj2 weld\$4) near5 (separa\$4 or break\$4) and (connector or contact or cable or terminal or pin)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 11:59
S40	235	(ultrasonic adj2 weld\$4) near5 (separa\$4 or break\$4) and (connector or contact or cable or terminal or pin) not "2006".ay. not "2005".ay. not "2004".ay. not "2003".ay. not "2002".ay.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 12:08
S41	31	(ultrasonic adj2 weld\$4) near (separa\$4 or break\$4) and (connector or contact or cable or terminal or pin) not "2006".ay. not "2005".ay. not "2004".ay. not "2003".ay. not "2002".ay.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 12:12
S42	8	(ultrasonic adj2 weld\$4) near (break\$4) and (connector or contact or cable or terminal or pin) not "2006".ay. not "2005".ay. not "2004".ay. not "2003".ay. not "2002".ay.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 12:12
S43	0	(breakeable ultrasonic weld)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/12 18:16
S44	103	(break\$4 ultrasonic weld)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/12 18:10
S45	166	(break\$4 ultrasonic weld\$4) not S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/12 18:10
S46	16	(breakable ultrasonic weld)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/12 18:22
S47	2	("4011961").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/12 18:18
S48	6	(separable ultrasonic weld) not S44 not S45 not S46 not S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/12 18:24

S49	1371	403/271-272.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/12 18:25
S50	1855	228/1.1,110.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/12 18:25
S51	1959	156/73.1,580.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/12 18:26
S52	682	29/857.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/12 18:27
S53	5592	S49 S50 S51 S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/12 18:27
S54	1472	S53 and ultrasonic weld\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/12 18:28
S55	265	S53 and ultrasonic weld\$4 same (break\$4 or separ\$4 or non-permanent or (non permanent) or semi-permanent or (semi permanent))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/12 18:31
S56	527	439/401,403,417.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/06/03 20:57
S57	41	439/401,403,417.ccls.	US-PGPUB	WITH	ON	2008/06/03 20:57
S58	488	29/825,860,861,863,857.ccls.	US-PGPUB	WITH	ON	2008/06/03 20:58
S59	4312	29/825,860,861,863,857.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/06/03 20:58

S60	4986	403/271-272;228/1.1,110.1;156/73.1,580.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/06/03 20:59
S61	435	403/271-272;228/1.1,110.1;156/73.1,580.1.ccls.	US-PGPUB	WITH	ON	2008/06/03 20:59
S62	3062	439/405,442,499,874,875,402,404-405,719,942. ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/06/03 21:04
S63	227	439/405,442,499,874,875,402,404-405,719,942. ccls.	US-PGPUB	WITH	ON	2008/06/03 21:04
S64	127	(ultrasonic weld\$4 connector housing).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/06/03 21:06
S65	50	(ultrasonic weld\$4 connector housing).clm.	US-PGPUB	AND	ON	2008/06/03 21:07

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